

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17317 - L2 Version 1
Chandra X-Ray Center

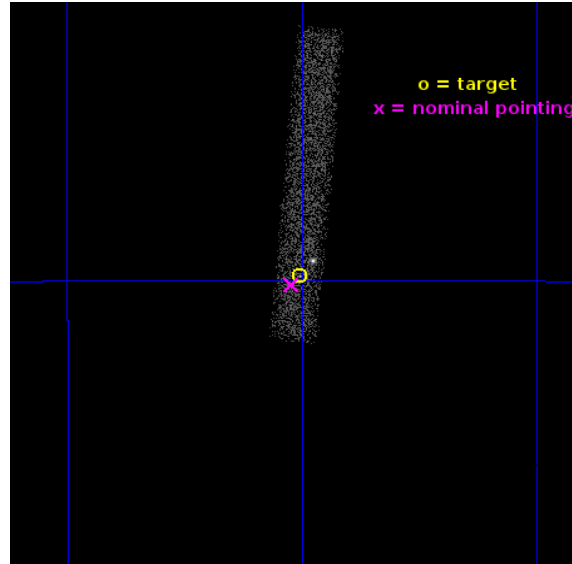
L2 Processing Date : Aug 8 2015

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

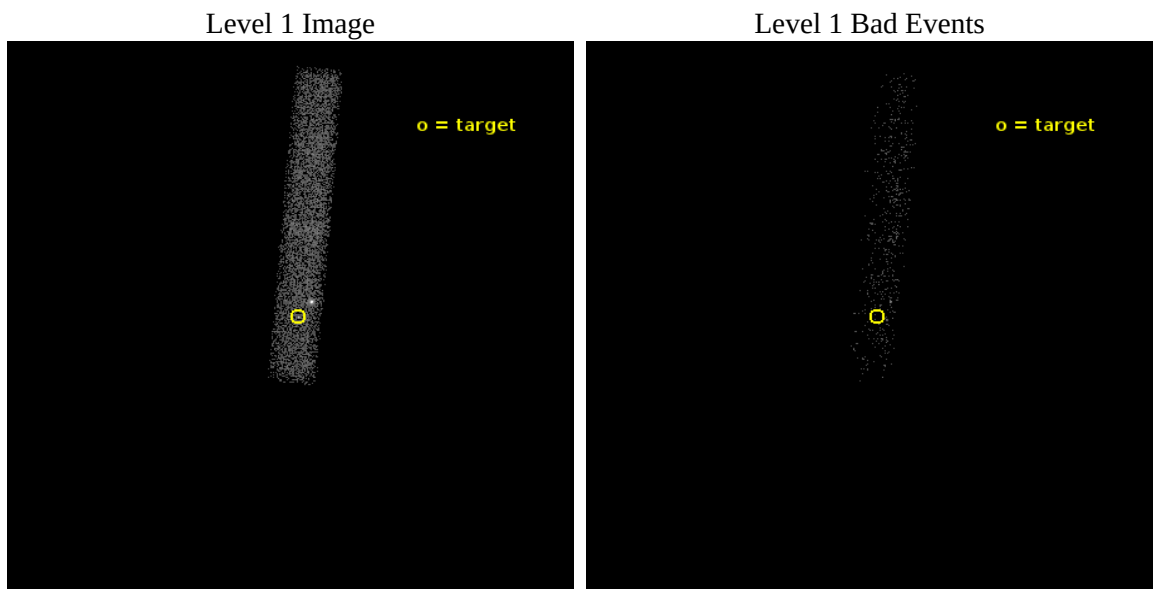
seq_num	201017	Sequence number
obs_id	17317	Observation id
title	The MUSCLES Treasury Survey: Measurements of the Ultraviolet Spectral Characteristics of Low-mass Exoplanetary Systems	Proposal title
observer	Dr. Kevin France	Principal investigator
object	GJ667C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.750833	Observer's specified target RA [deg]
dec_targ	-34.99775	Observer's specified target Dec [deg]
ra_nom	259.75543189969	Nominal RA [deg]
dec_nom	-35.00167597653	Nominal Dec [deg]
roll_nom	274.81520844442	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20072.234701395	Sum of GTIs [s]
livetime	18204.457374746	Livetime [s]
ontime7	20072.234701395	Sum of GTIs [s]
l2events	7415	Number of level 2 events



2 OBI

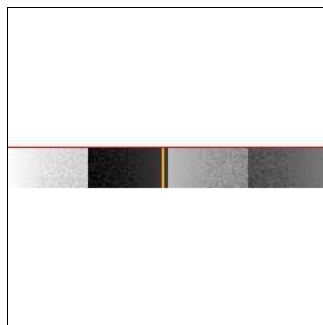
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	20072.234701395	Sum of GTIs [s]
caldsver	4.6.8	 	ontime7	20072.234701395	Sum of GTIs [s]
date	2015-08-08T06:53:58	Date and time of file creation	l1events	11372	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

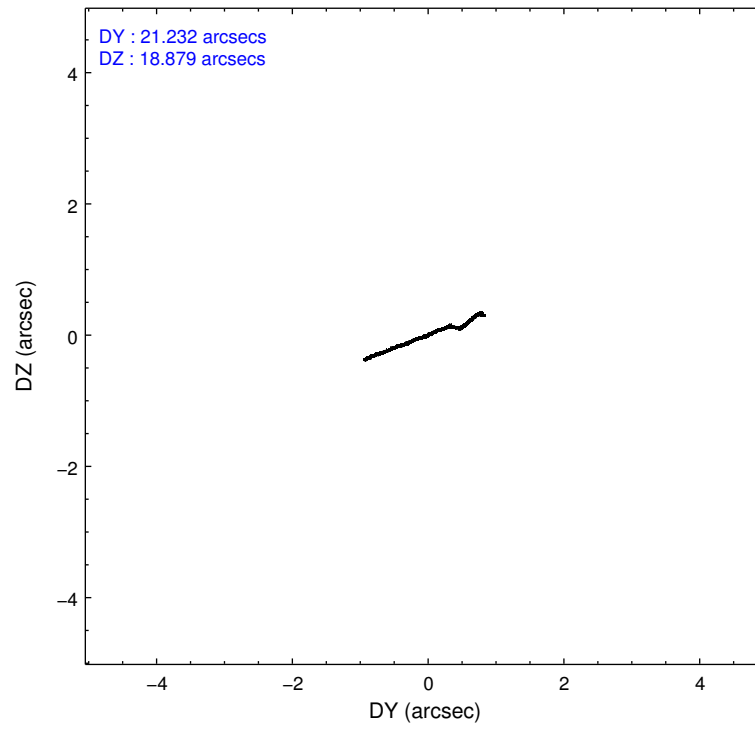
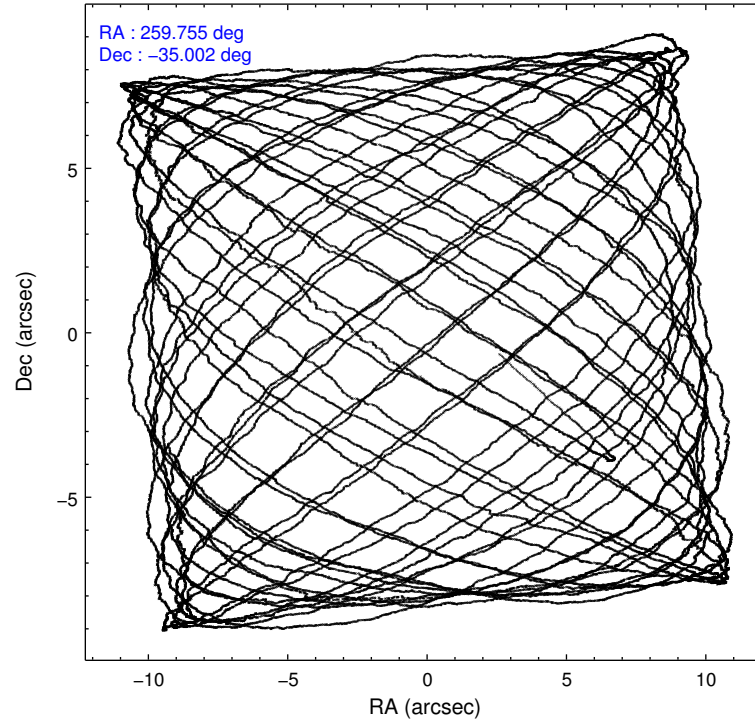
	ccd 7
level 1 events	11372
rejected events	3522
rejected %	30%

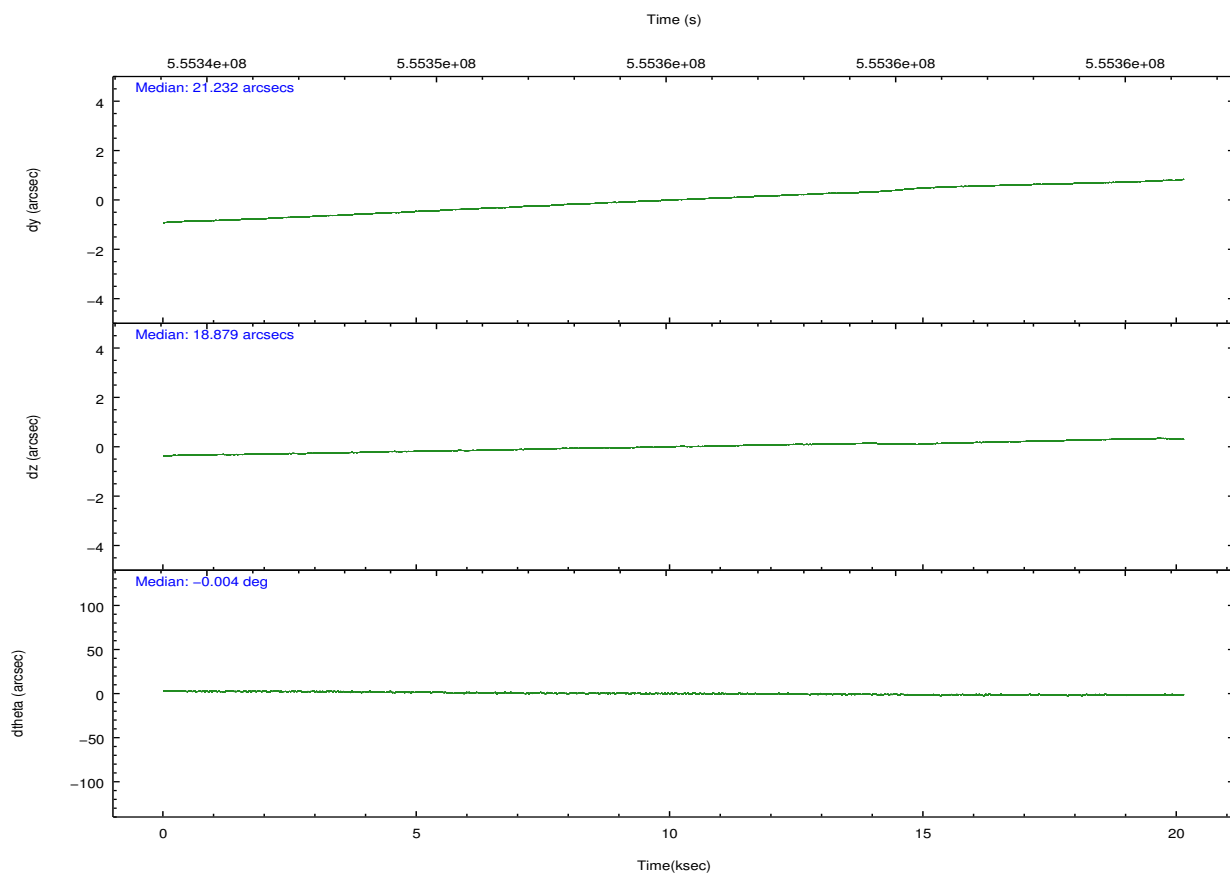
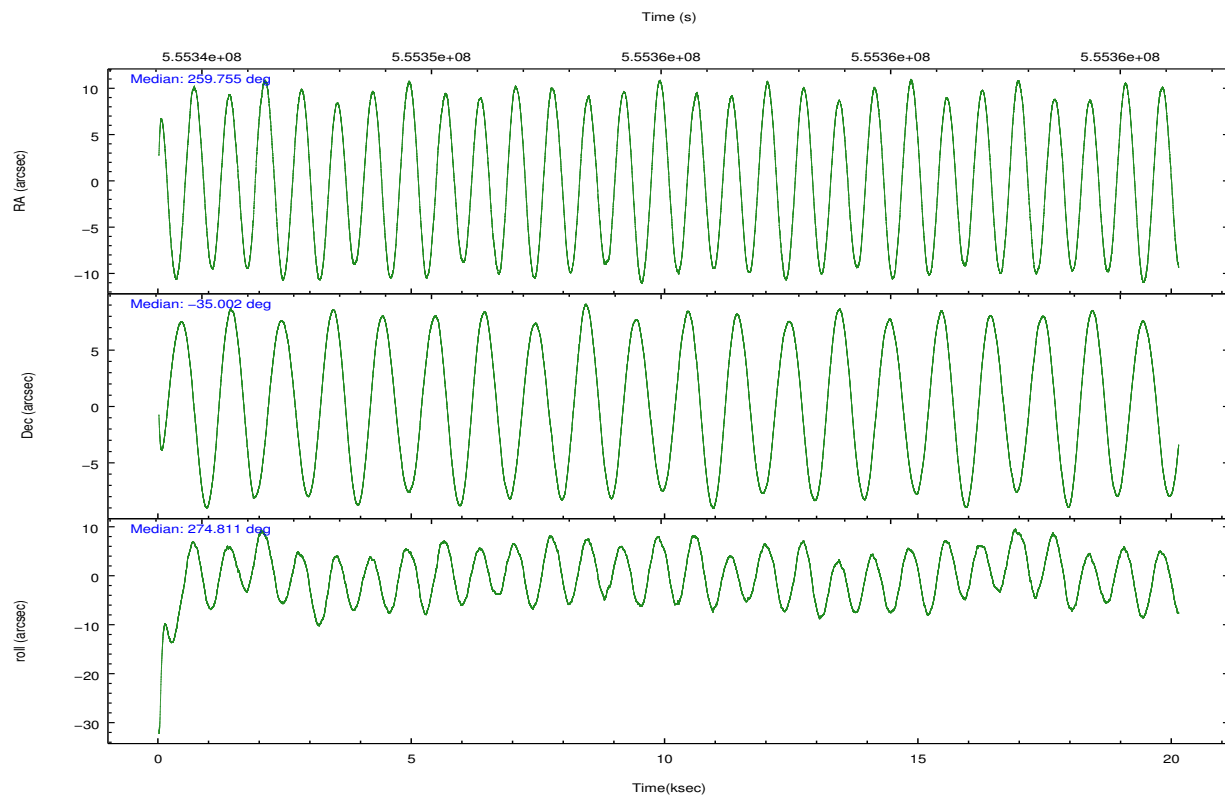
	ccd 7
grade 0 events	1659
	14%
grade 1 events	20
	0%
grade 2 events	1774
	15%
grade 3 events	1158
	10%
grade 4 events	1061
	9%
grade 5 events	921
	8%
grade 6 events	2198
	19%
grade 7 events	2581
	22%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	259.735946	259.7554318996949	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-34.979348	-35.00167597652973	Subarray start row	449	449
[deg] Pointing Roll	274.647419	274.8152084444191	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	555345235.184000	555343920.3104			
Observation start date	2015-08-07T14:32:47	2015-08-07T14:12:00			
[s] Observation end time (MET)	555365235.184000	555365673.37412			
Observation end date	2015-08-07T20:06:07	2015-08-07T20:14:33			
Read mode	TIMED	TIMED			

2.3 Aspect



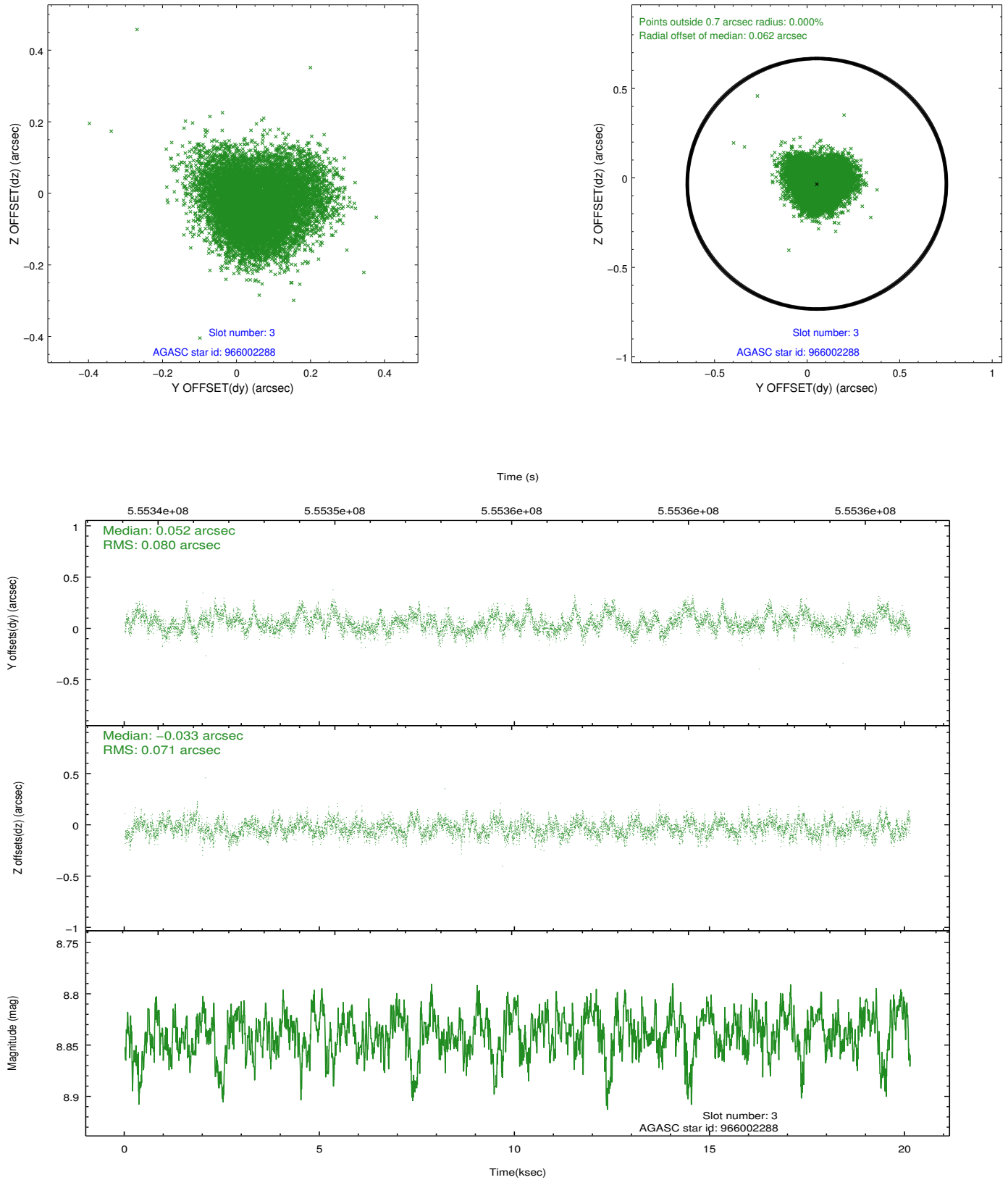


Slot Statistics

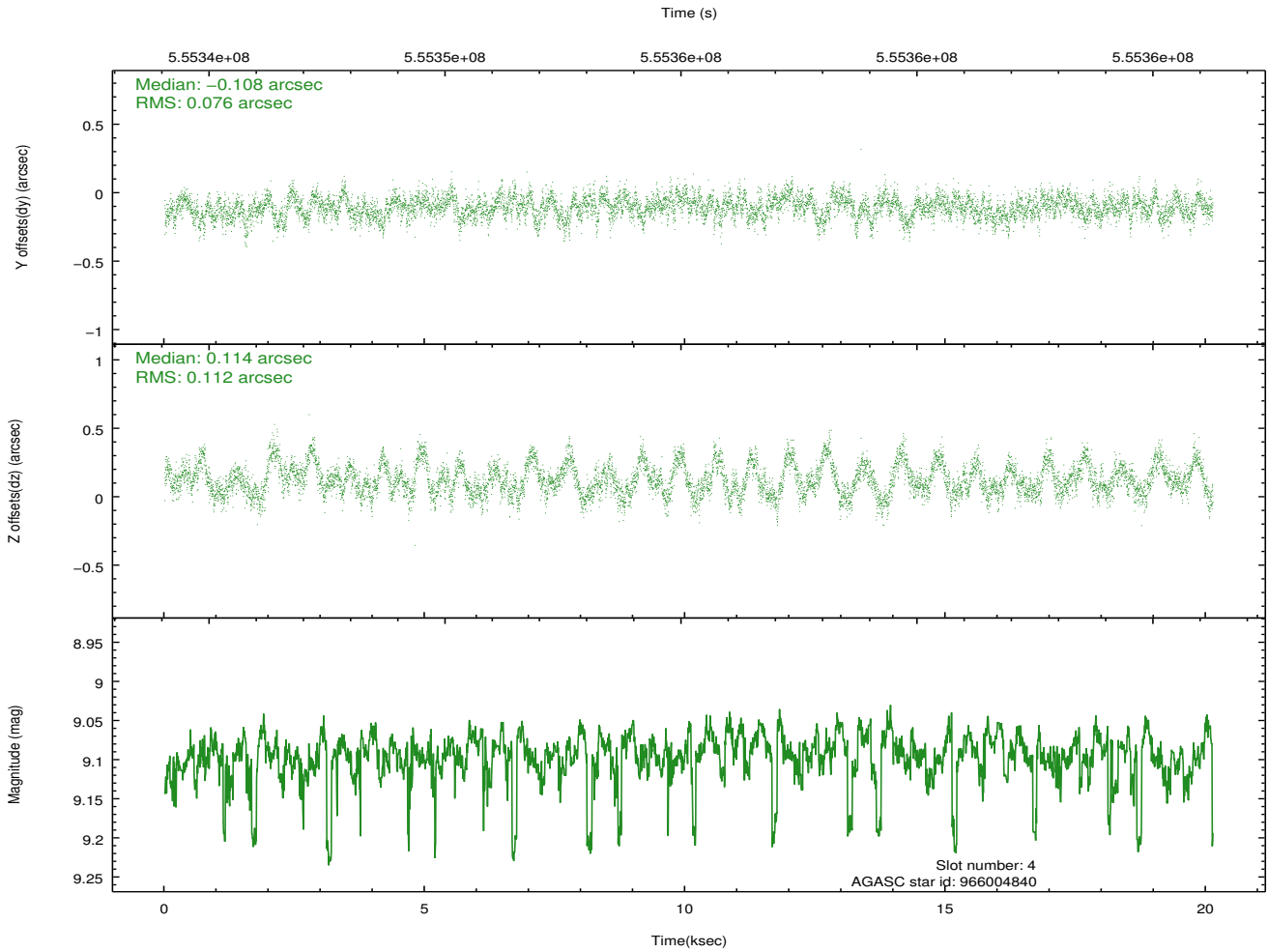
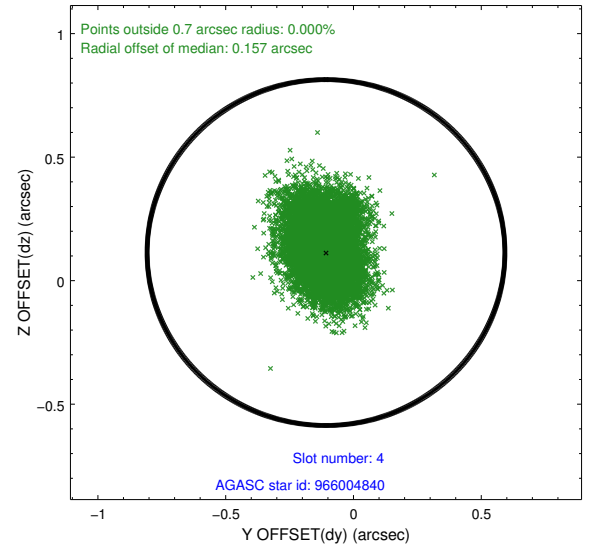
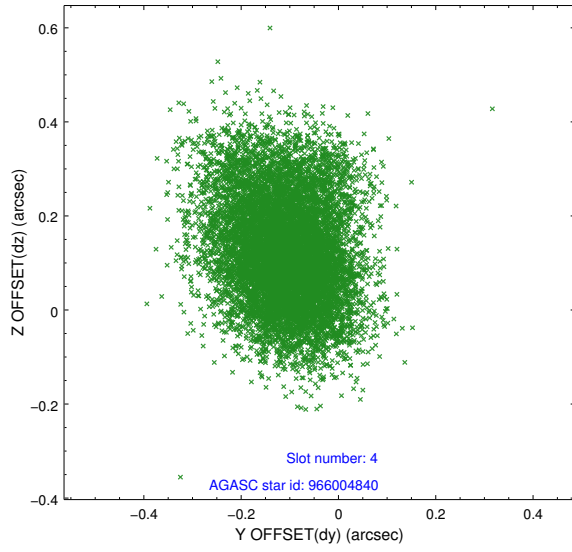
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	4909	-0.150	-0.111	0.010	0.017	0.000000	0.000000	-774.52	-1740.35
1	FID		ACIS-S-4	7.15	4909	0.363	0.102	0.008	0.014	0.000000	0.000000	2139.20	168.13
2	FID		ACIS-S-5	7.16	4909	-0.245	0.018	0.010	0.016	0.000000	0.000000	-1827.21	161.95
3	GUIDE	used	966002288	8.84	9810	0.052	-0.033	0.114	0.185	259.614800	-35.563330	2067.37	-523.65
4	GUIDE	used	966004840	9.09	9809	-0.108	0.114	0.142	0.239	260.285639	-34.363805	-2071.47	1807.41
5	GUIDE	used	966006016	8.59	9814	-0.034	-0.057	0.085	0.140	259.344893	-34.846817	-566.69	-1112.79
6	GUIDE	used	966007016	8.86	9812	0.169	0.214	0.114	0.190	258.945683	-34.939021	-324.05	-2313.30
7	GUIDE	used	966005056	8.20	9813	-0.076	-0.242	0.136	0.206	260.445624	-35.348497	1501.59	1968.34

2.4 Star Slots

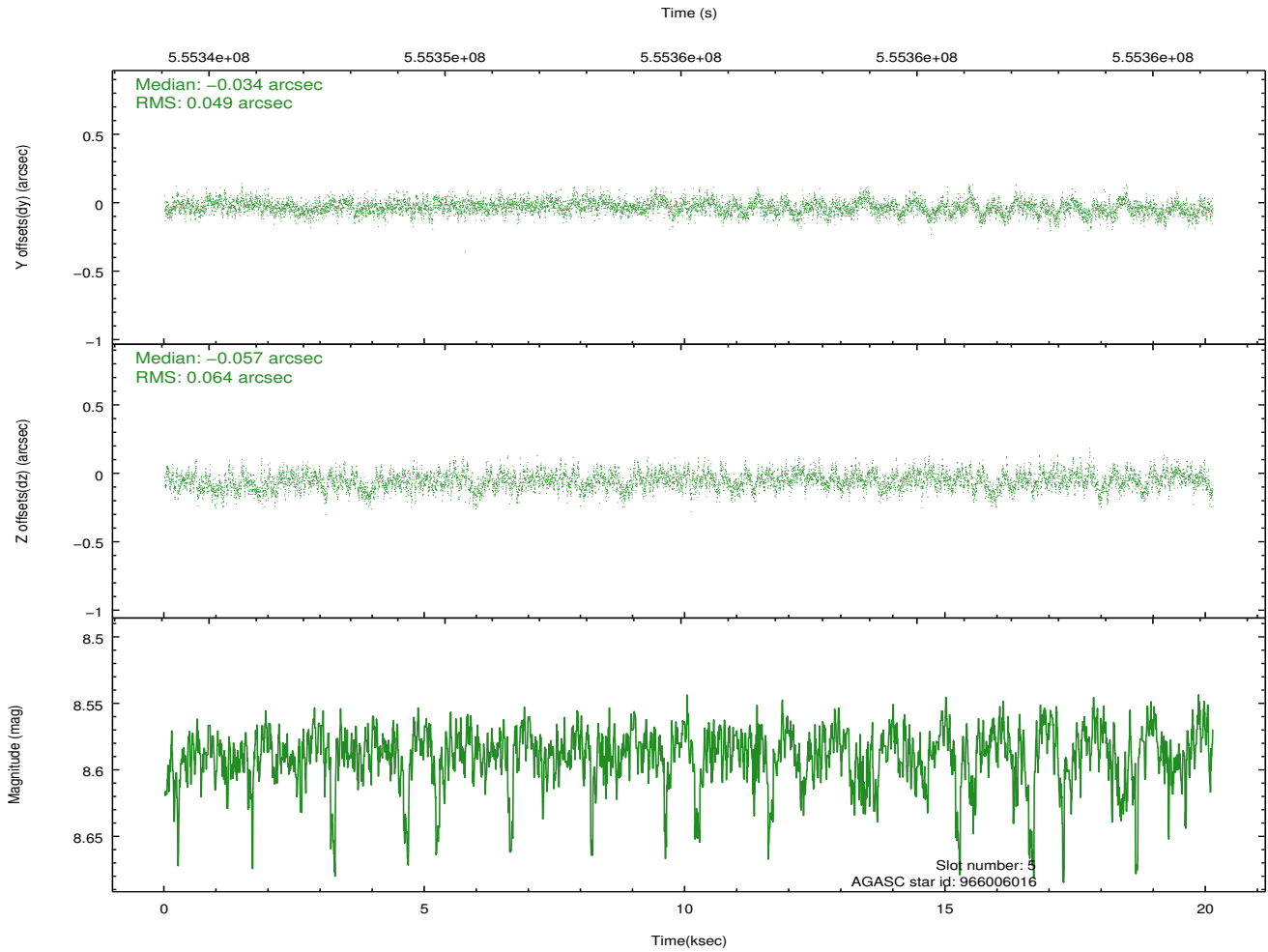
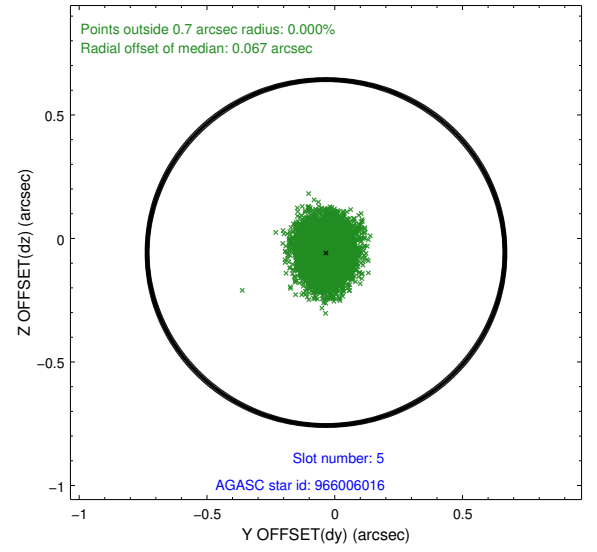
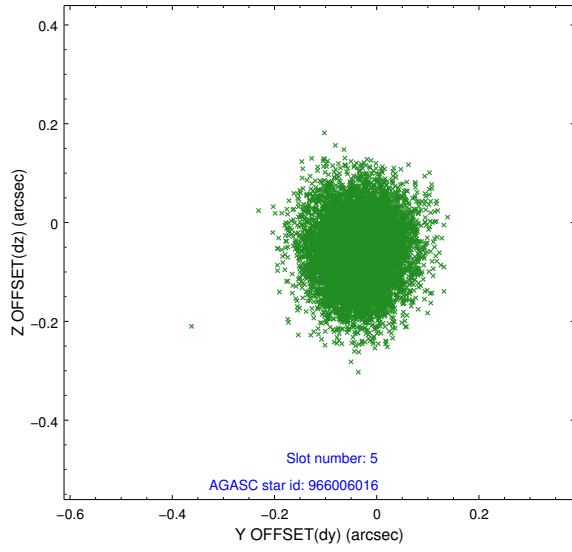
2.4.1 Slot 3



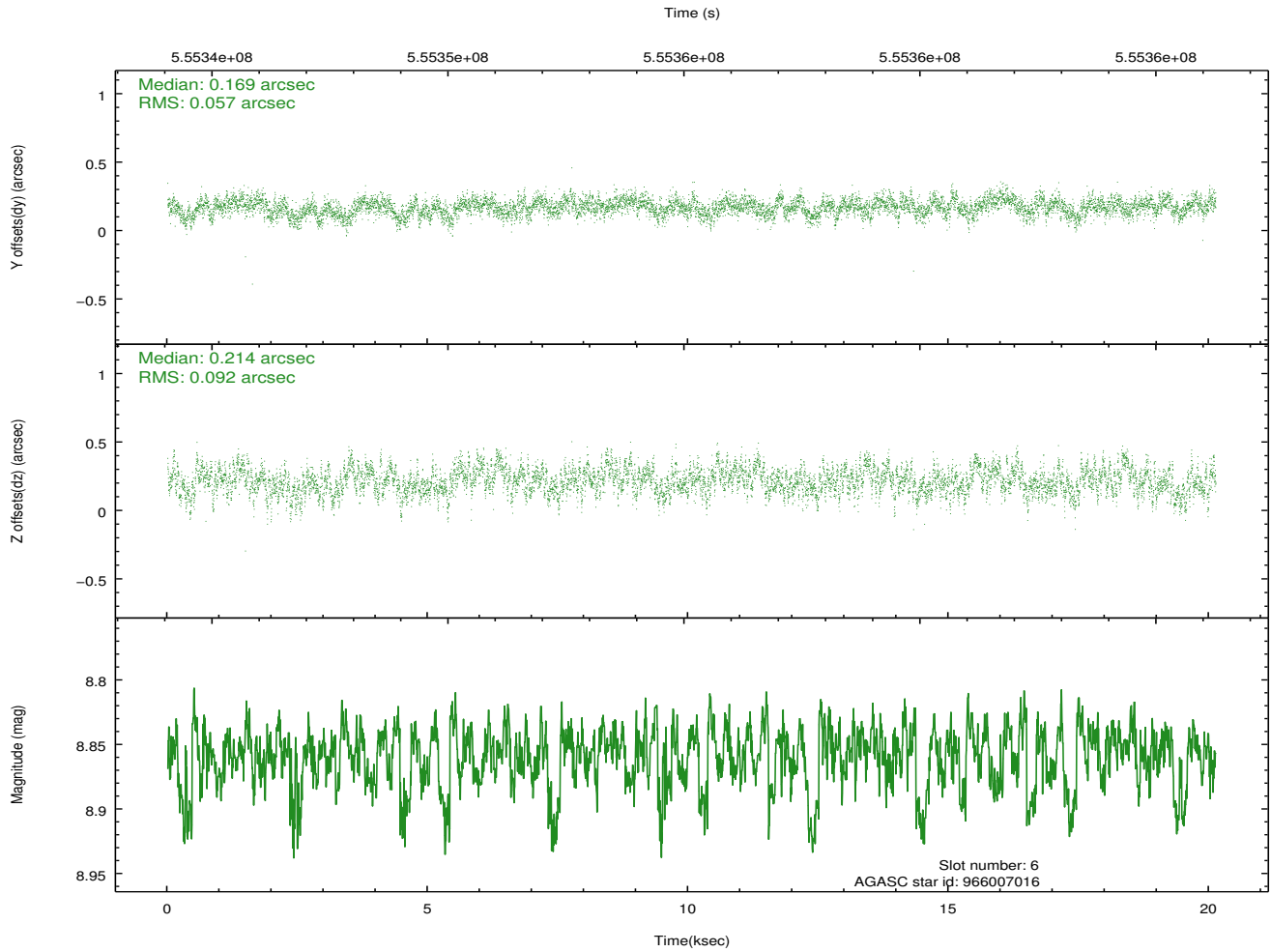
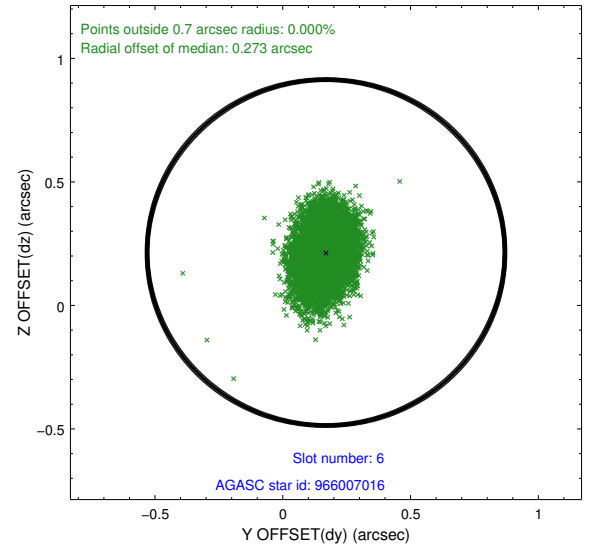
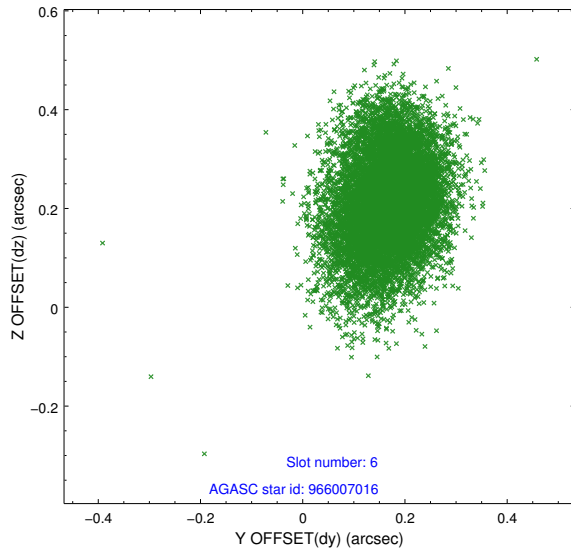
2.4.2 Slot 4



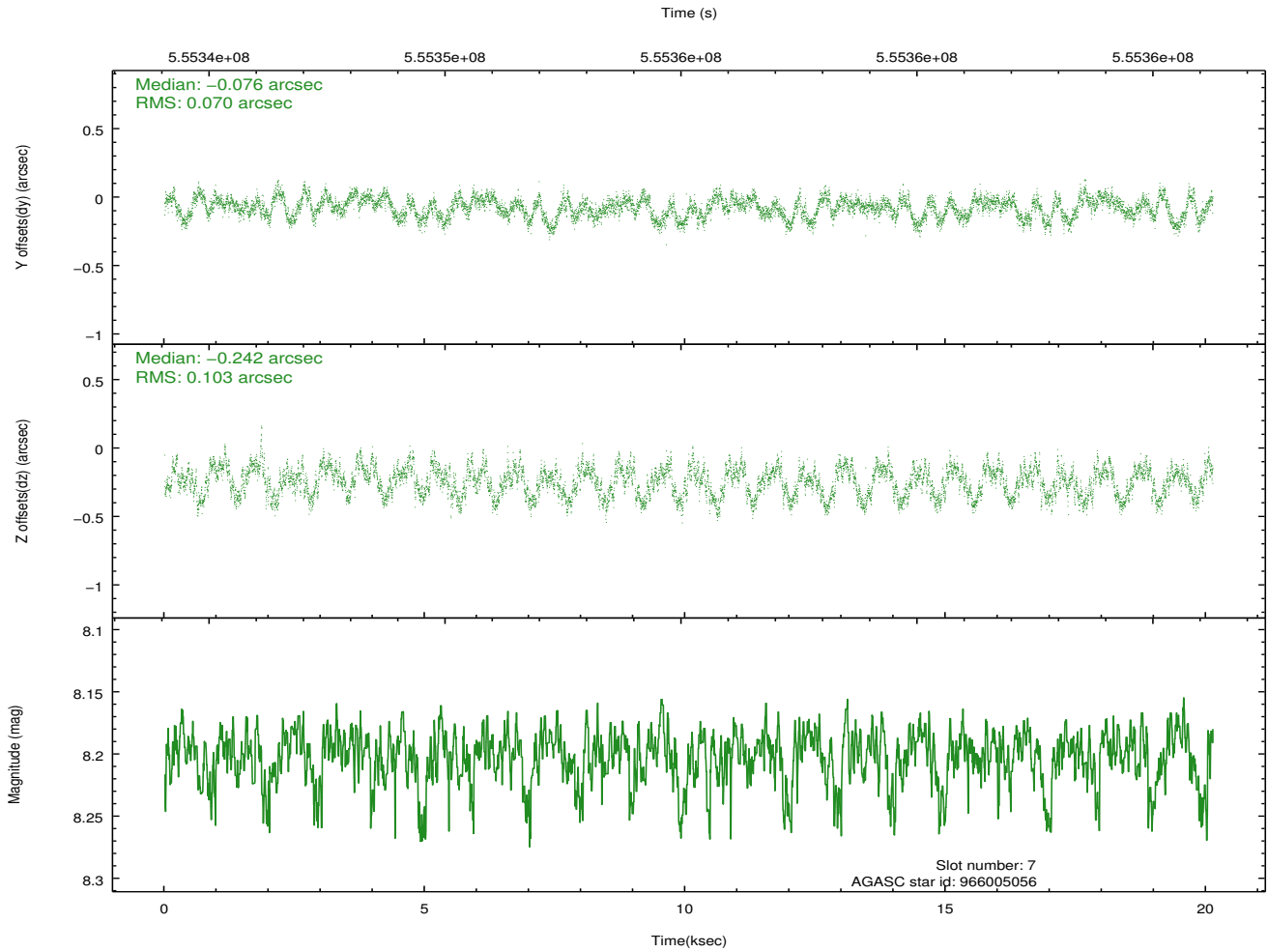
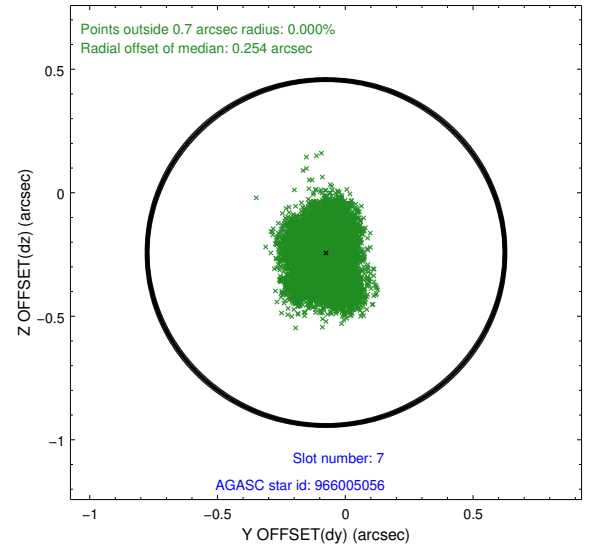
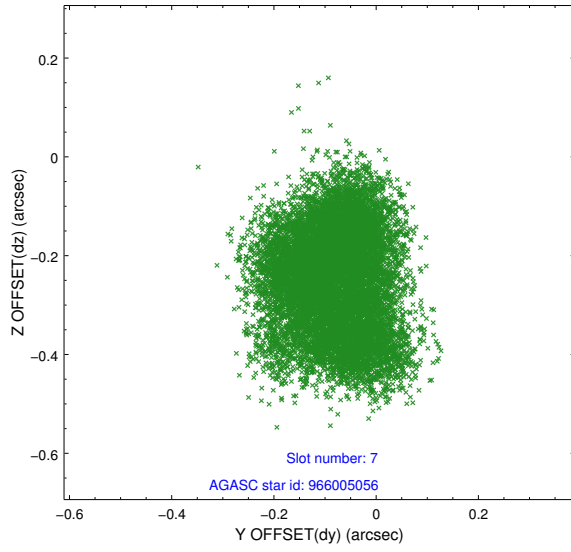
2.4.3 Slot 5



2.4.4 Slot 6

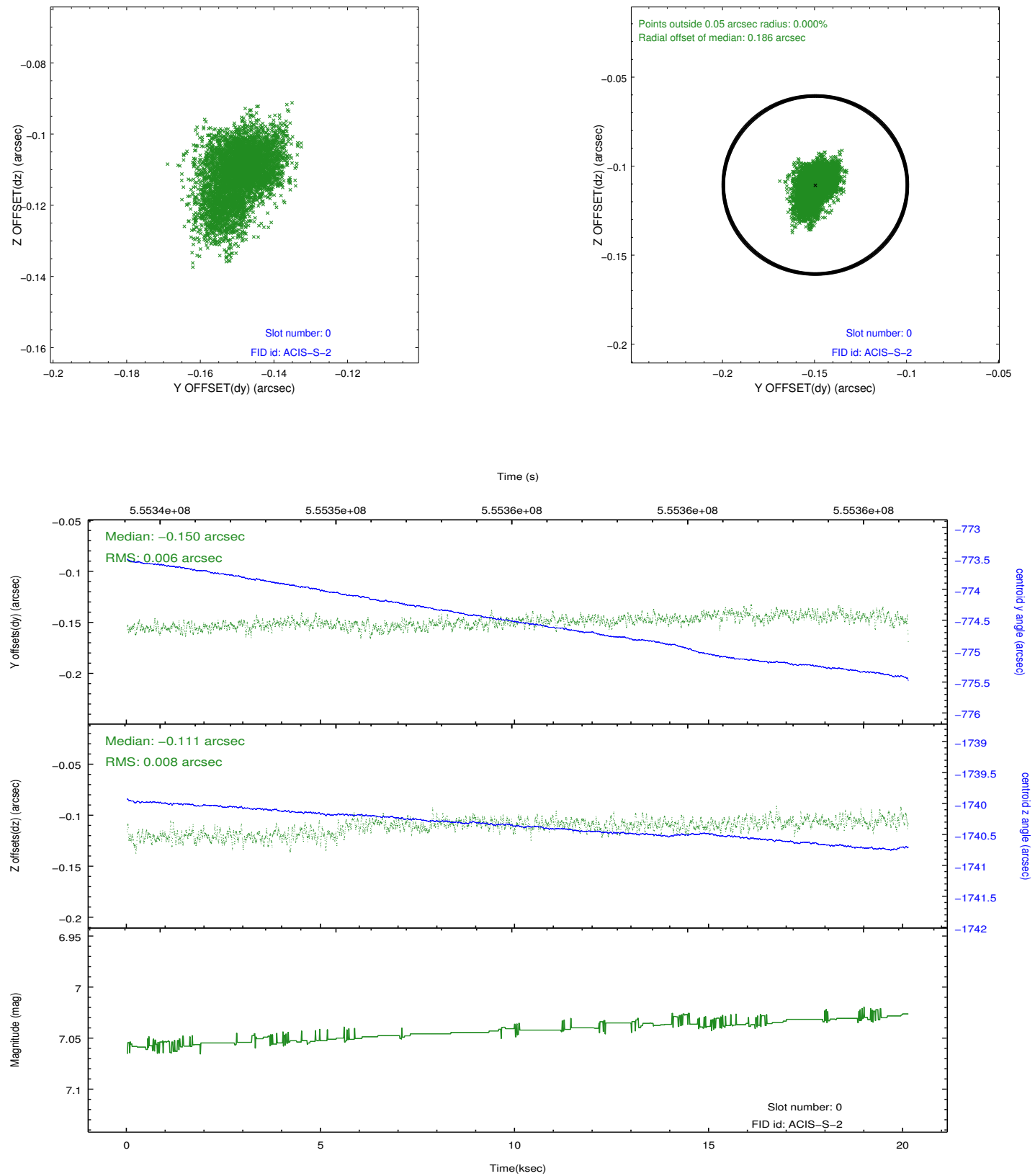


2.4.5 Slot 7

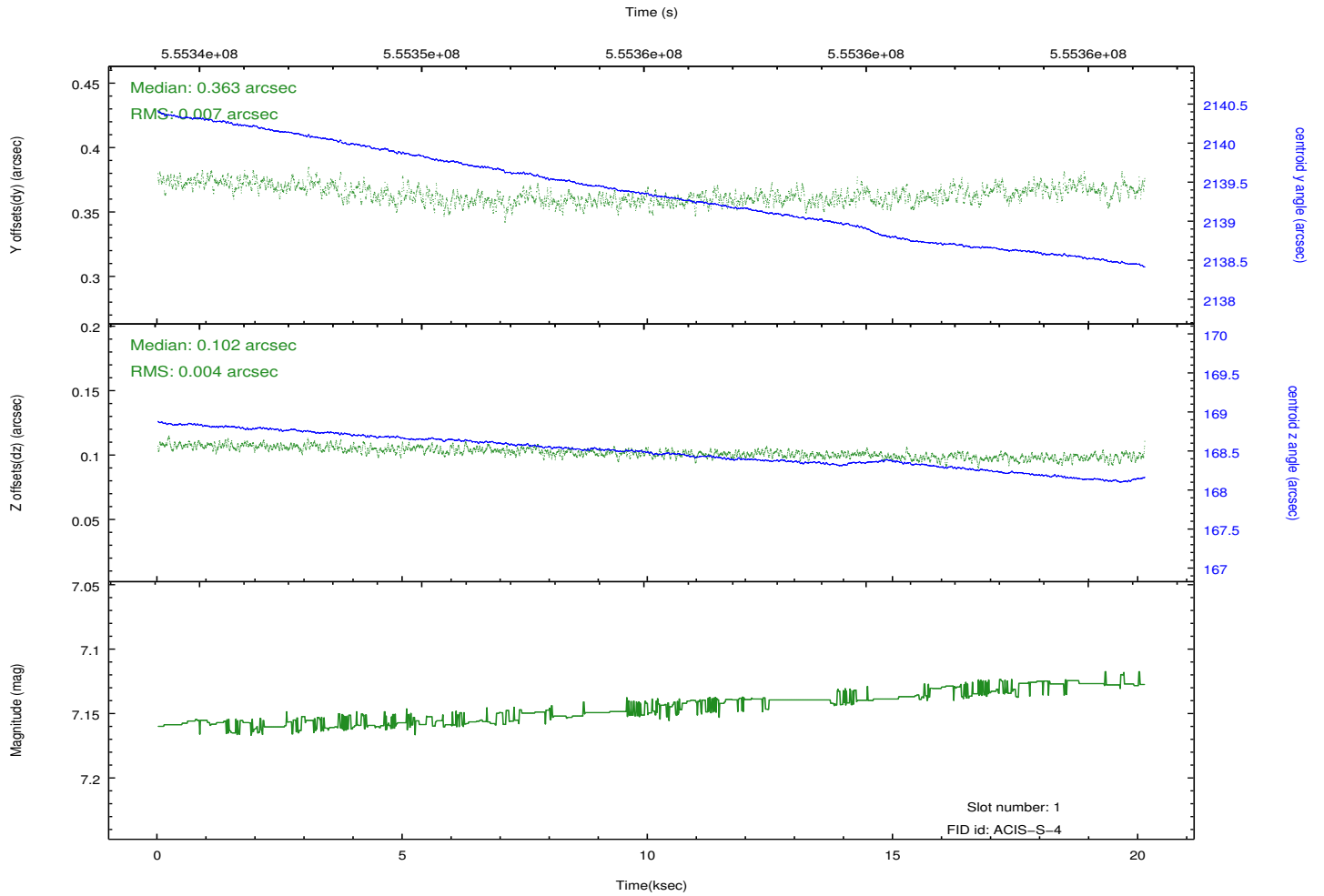
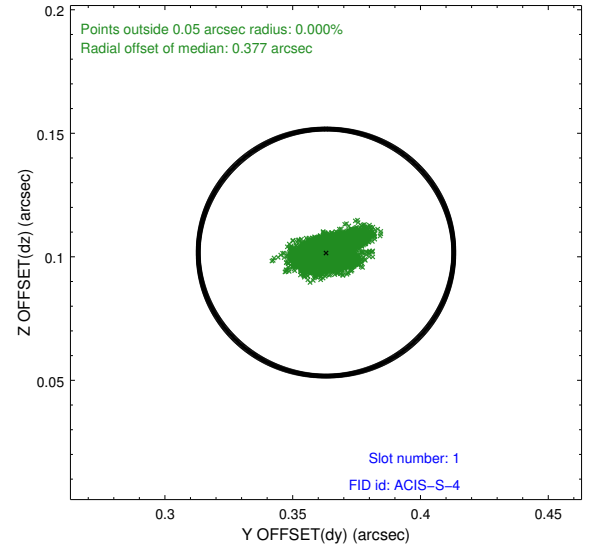
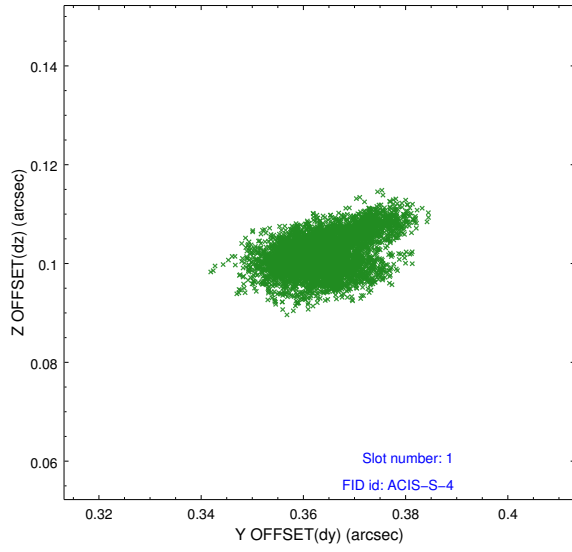


2.5 FID Slots

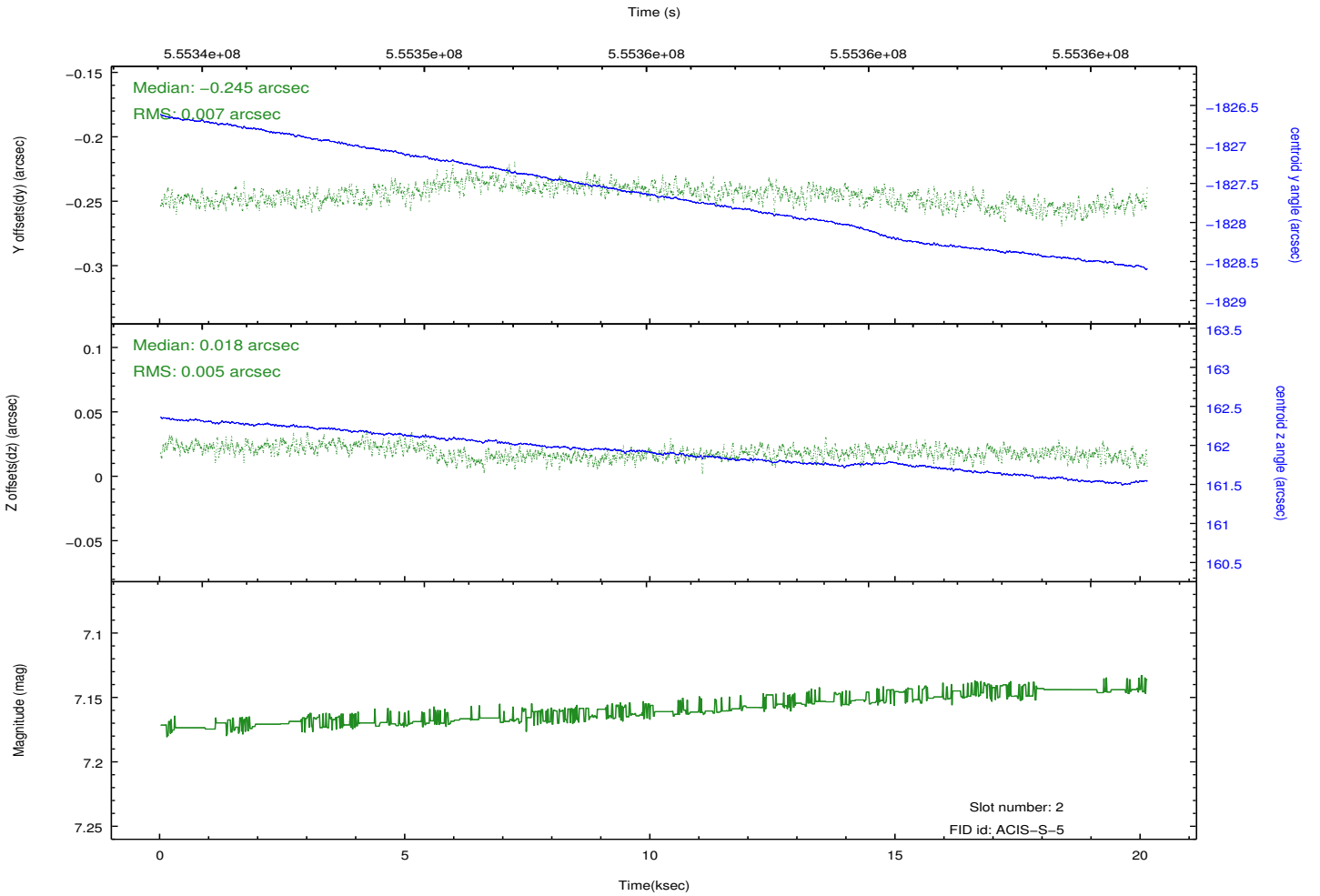
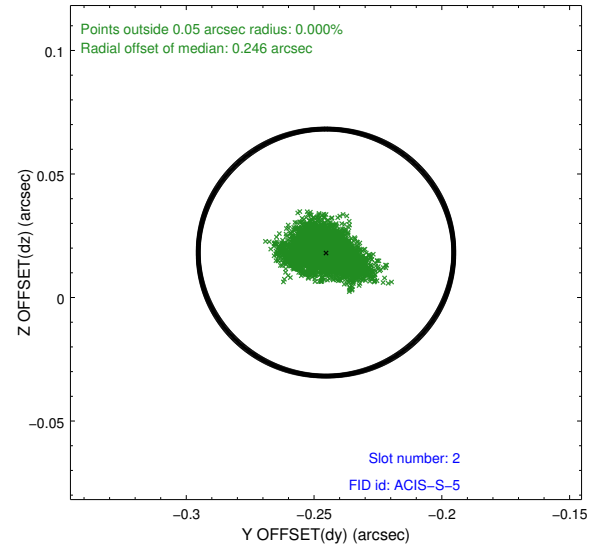
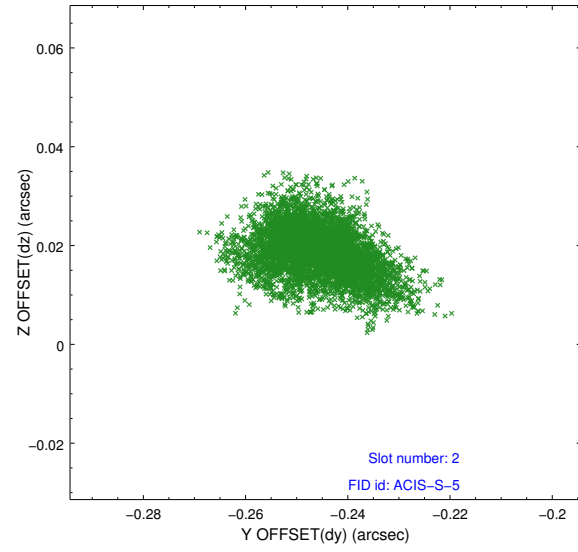
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.072234701395

A.2 Comments

Joint Proposal: CX0-HST